

ABSTRACT

An electrical device suitable for use in digital telecommunications applications is provided. The device includes a laminar PTC element composed of a conductive polymer composition sandwiched between two metal foil electrodes. A first insulating layer which is composed of an electrically insulating flexible material conforms to at least part of the perimeter of the PTC element. The device has low resistance, low capacitance, reduced size, and stable resistance, and can meet power cross testing requirements. In addition, assemblies of electrical devices are provided.